

Third Year B.Sc Optometry Degree Supplementary Examinations May 2023

**Contact lens
(2016 Scheme)**

Time: 2 hrs

Max marks: 40

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay (10)

1. What are the various ways of manufacturing soft contact lenses. Explain advantages and disadvantages of each technique.

Short notes (3x5=15)

2. RGP materials.
3. Discuss details about care and maintenance of RGP contact lenses.
4. Which instructions are needed to be conveyed while dispensing first time soft daily wear lenses.

Answer briefly (5x2=10)

5. Which filter is best to use for evaluation of RGP fitting with fluorescein dye.
6. An eye was fitted with RGP lens of 8.60 mm BC but looking at peripheral fitting you decide to increase its diameter by 0.50 mm. write the new BC to maintain its central fit similar like the previous fitting.
7. Which axis is to be ordered when prescription is -1.00 cyl X 90 and trial lens is showing 15-degree clockwise rotation.
8. What is monovision contact lens correction.
9. When to use protein removal tablets for soft contact lenses.

One word answer (5x1= 5)

10. Horizontal dumbbell type fluorescein pattern is seen in
11. The centre of gravity shifts backward if TD.....
12. In flat SCL fitting post blink keratometry mires are.....
13. '_____ & _____' monomers are present in silicone hydrogel contact lenses
14. Name one preservative for soft lens MPS.....
